SC4PC879USOT
10/553344

FIG. 1

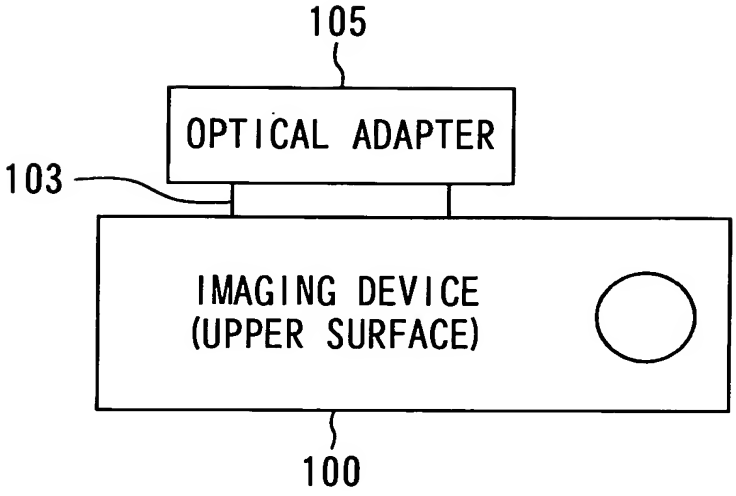

FIG. 3

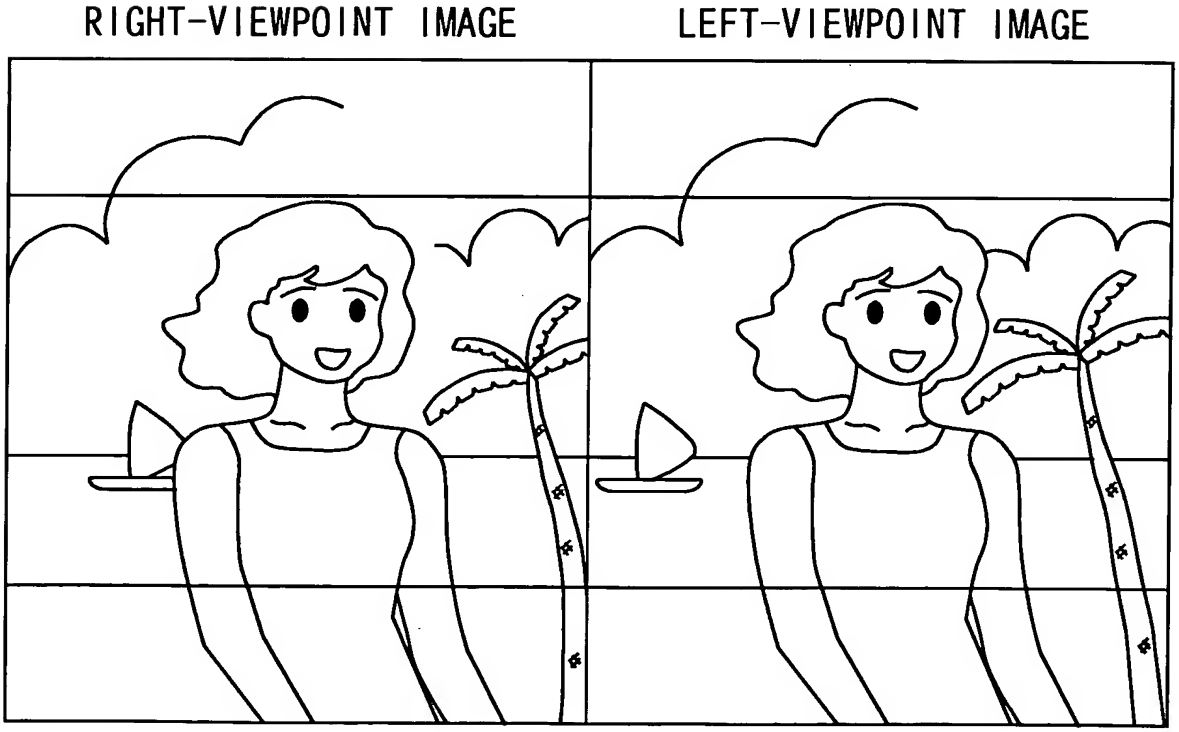

FIG. 2

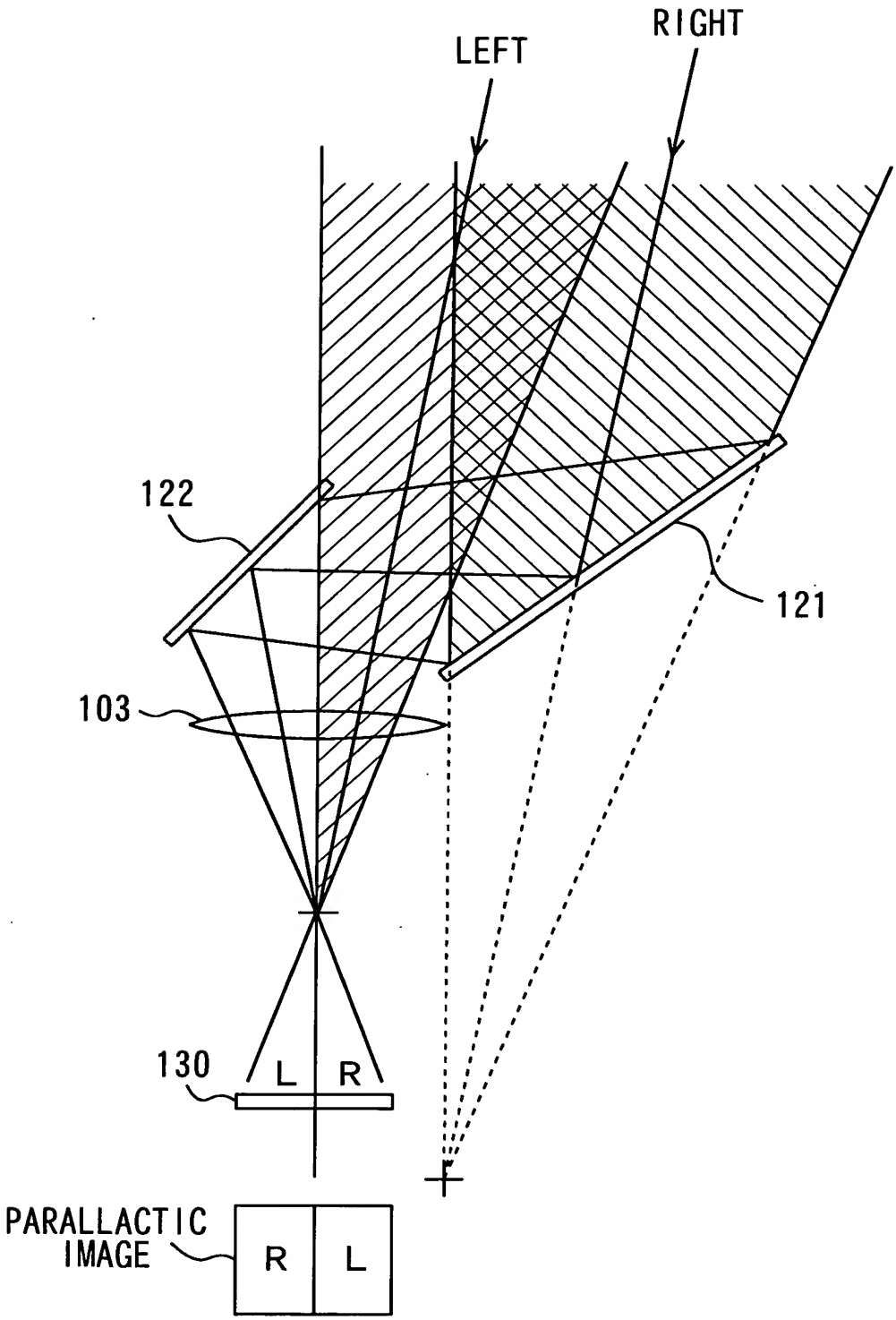

FIG. 4

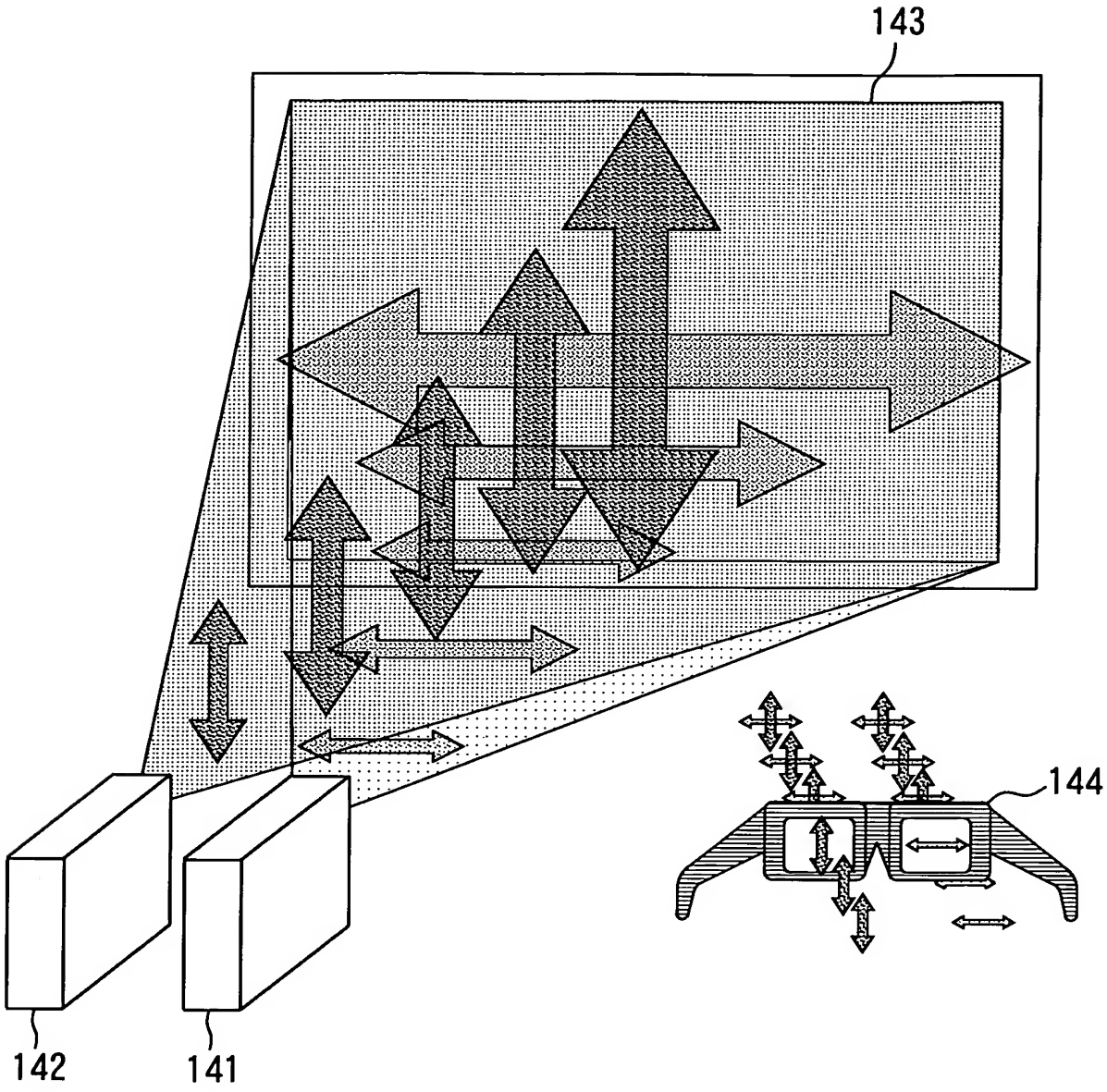

FIG. 5

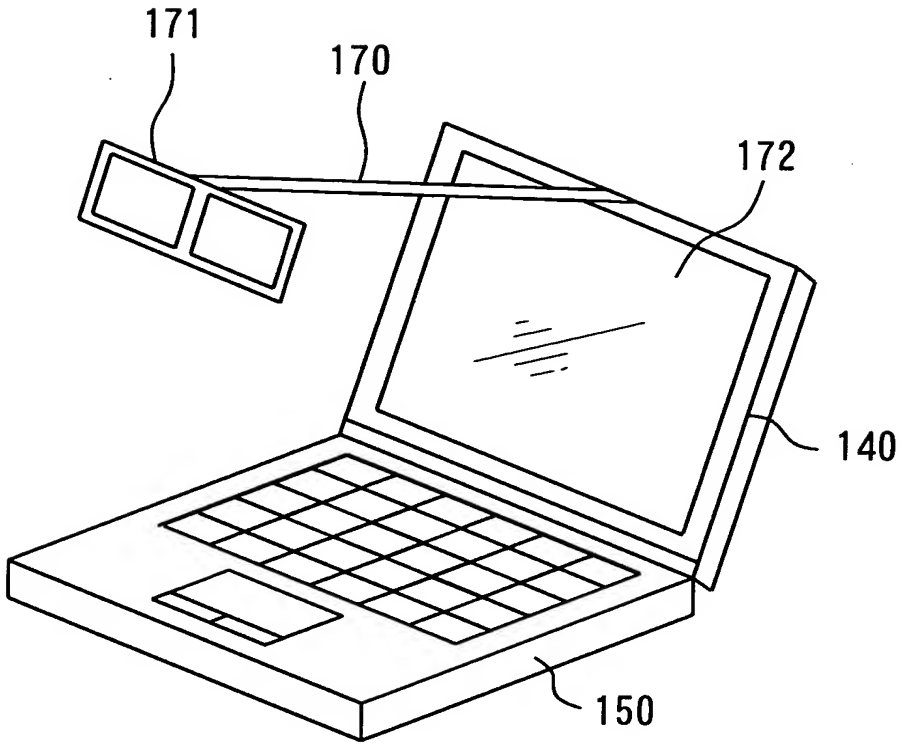
171
170
172
140
150

FIG. 6

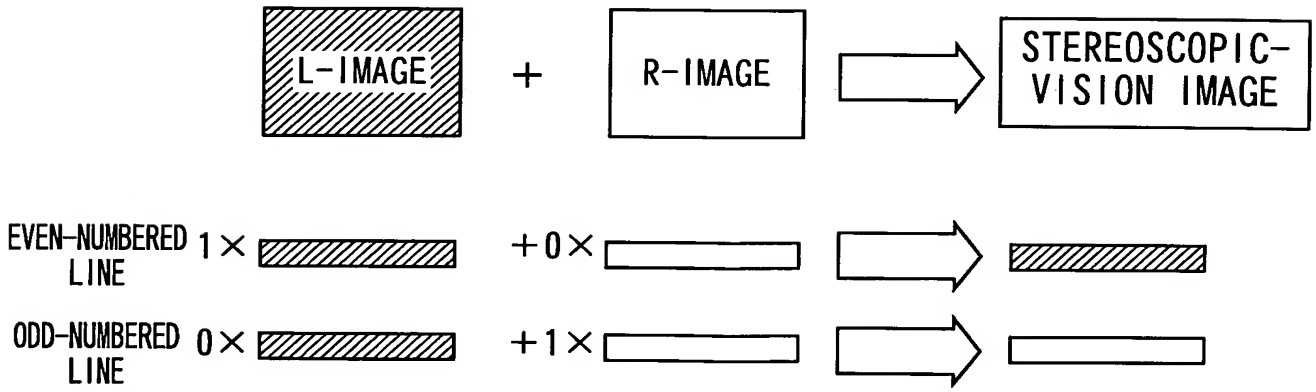
L-IMAGE
+
R-IMAGE
STEREOSCOPIC-VISION IMAGE
EVEN-NUMBERED LINE
1×
+0×
ODD-NUMBERED LINE
0×
+1×

FIG. 7

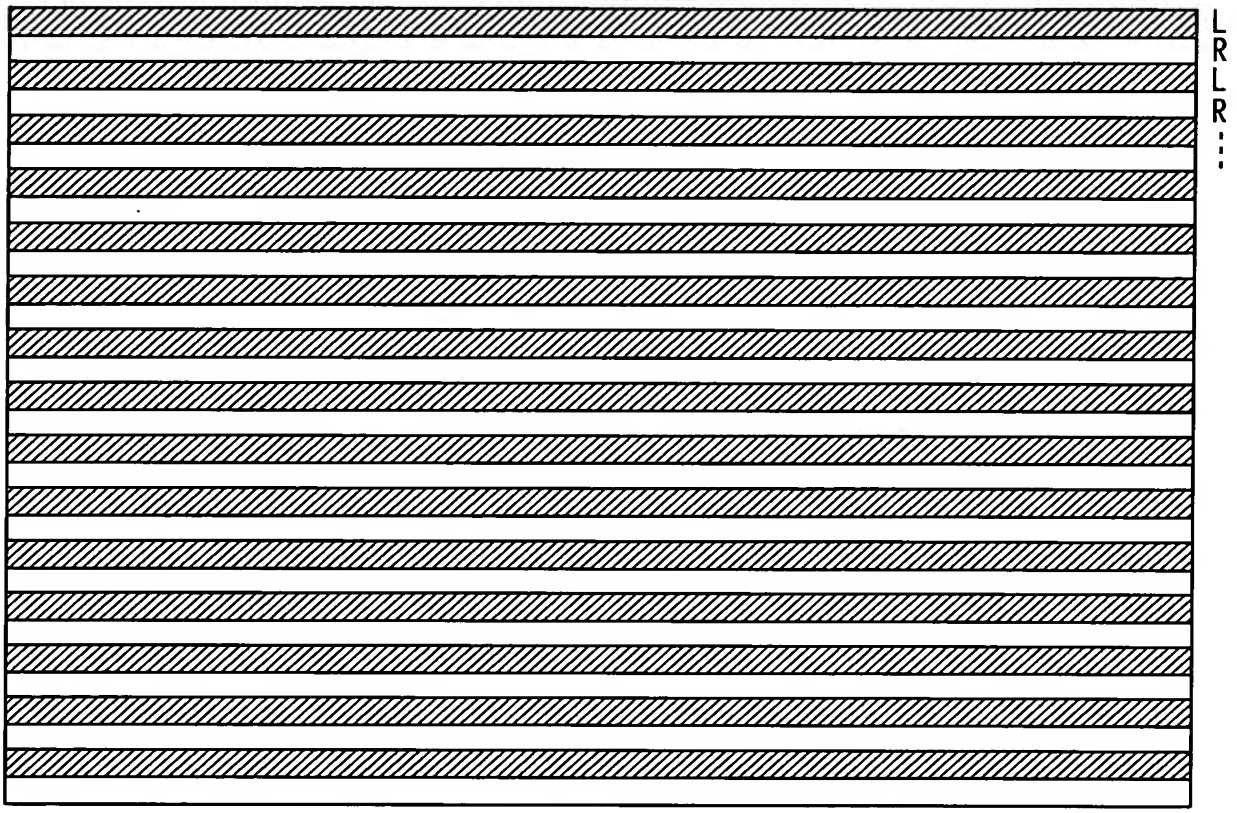

FIG. 8

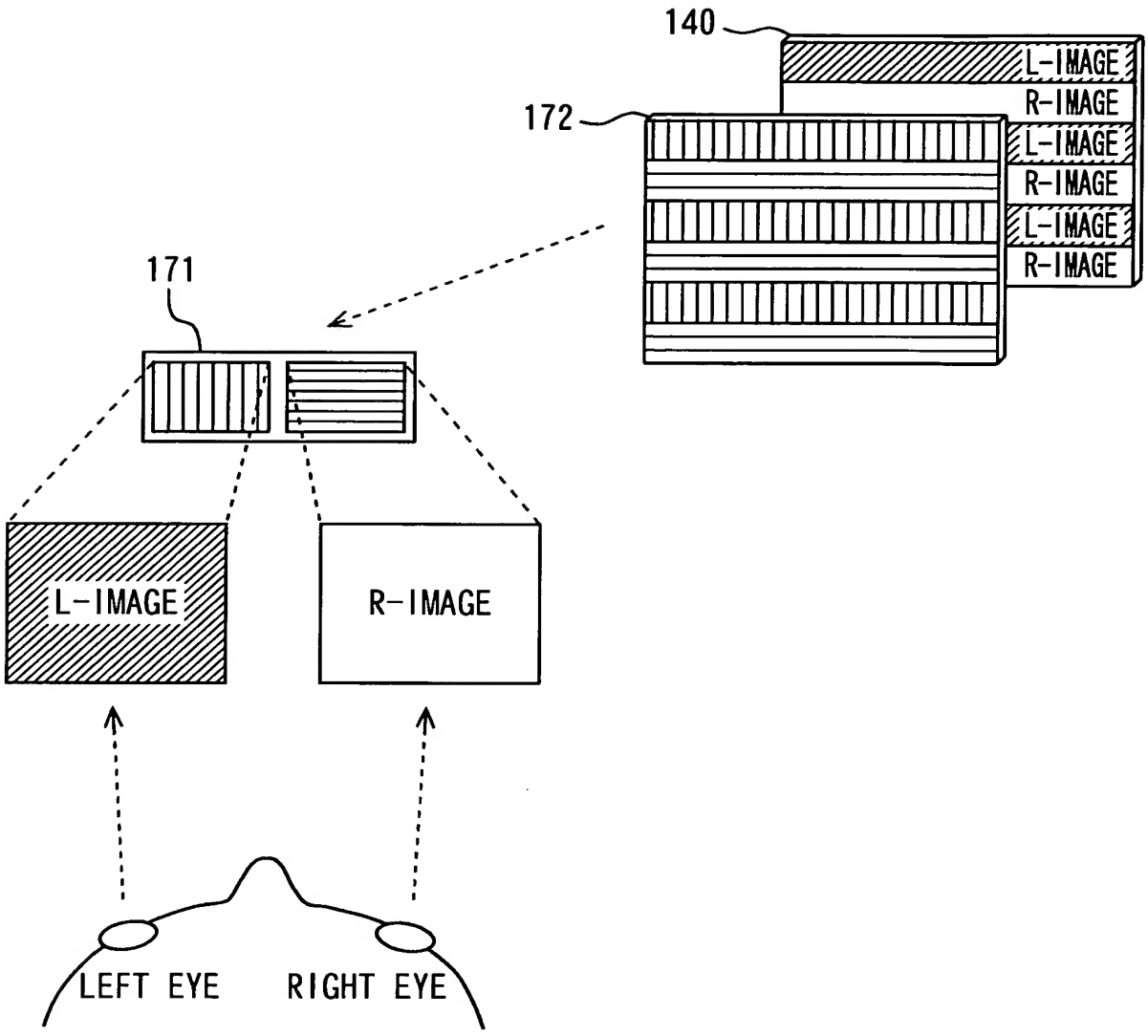
140
L-IMAGE
R-IMAGE
172
L-IMAGE
R-IMAGE
L-IMAGE
R-IMAGE
171
L-IMAGE
R-IMAGE
LEFT EYE
RIGHT EYE

FIG. 9

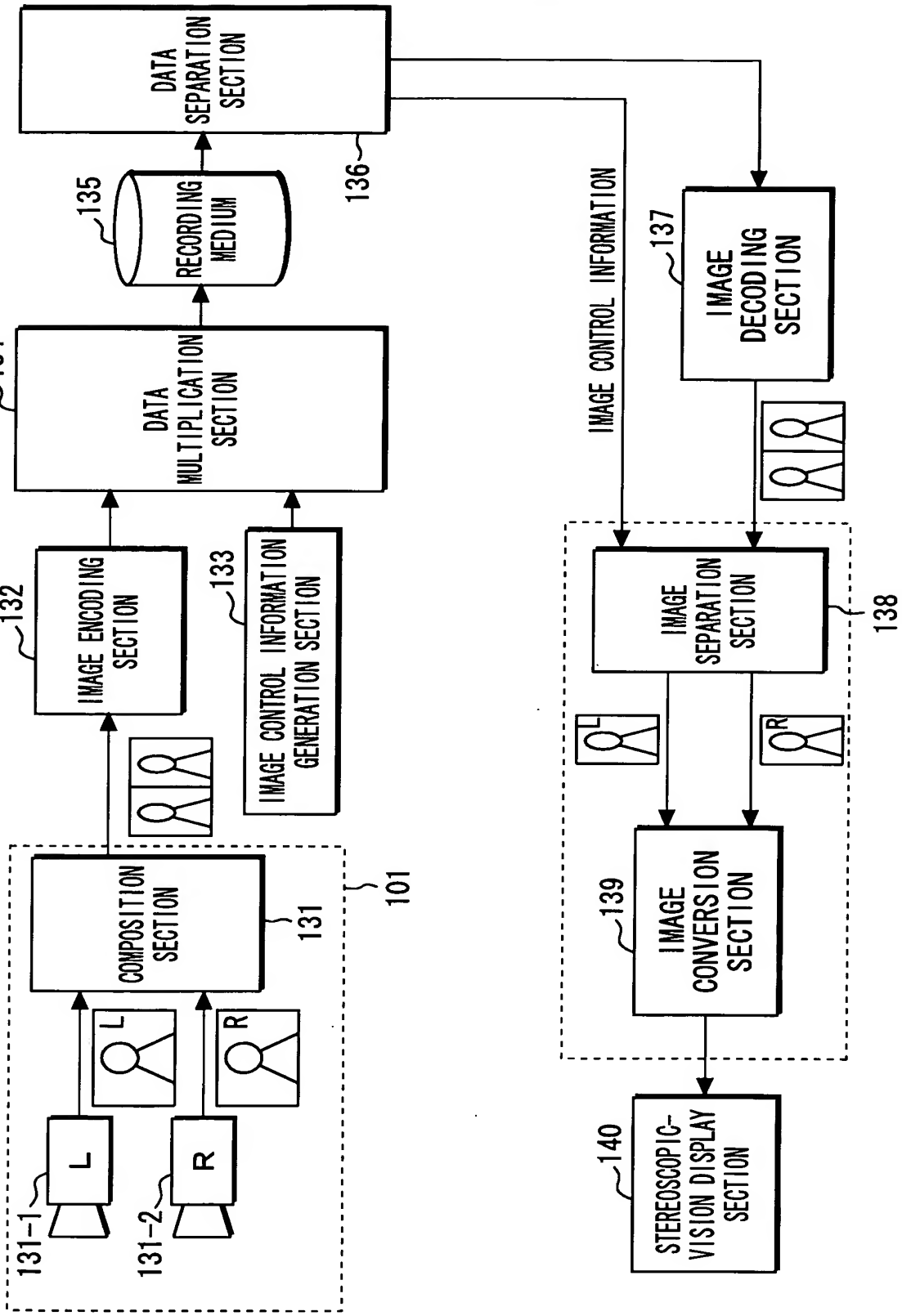
DATA SEPARATION SECTION
136
135
RECORDING MEDIUM
134
DATA MULTIPLICATION SECTION
132
IMAGE ENCODING SECTION
133
IMAGE CONTROL INFORMATION GENERATION SECTION
131
COMPOSITION SECTION
101
131-1
131-2
L
R
IMAGE CONTROL INFORMATION
137
IMAGE DECODING SECTION
138
IMAGE SEPARATION SECTION
139
IMAGE CONVERSION SECTION
140
STEREOSCOPIC-VISION DISPLAY SECTION

FIG. 10

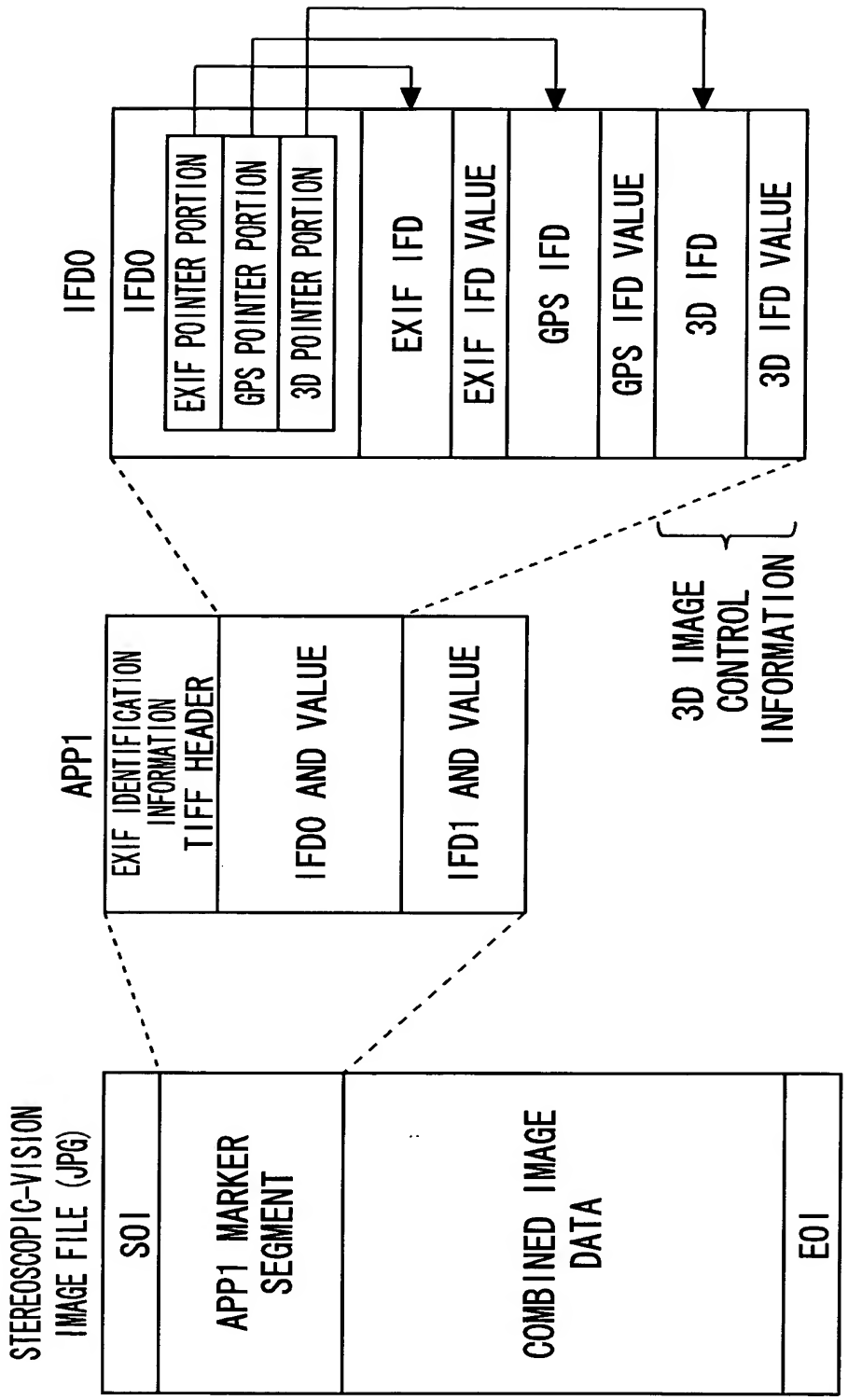
STEREOSCOPIC-VISION IMAGE FILE (JPG)
SOI
APP1 MARKER SEGMENT
COMBINED IMAGE DATA
EOI
APP1
EXIF IDENTIFICATION INFORMATION TIFF HEADER
IFD0 AND VALUE
IFD1 AND VALUE
IFD0
IFD0
EXIF POINTER PORTION
GPS POINTER PORTION
3D POINTER PORTION
EXIF IFD
EXIF IFD VALUE
GPS IFD
GPS IFD VALUE
3D IFD
3D IFD VALUE
3D IMAGE CONTROL INFORMATION

FIG. 11A

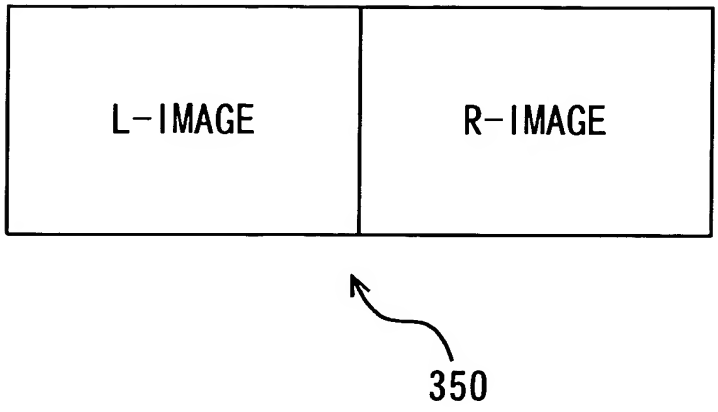

FIG. 11B

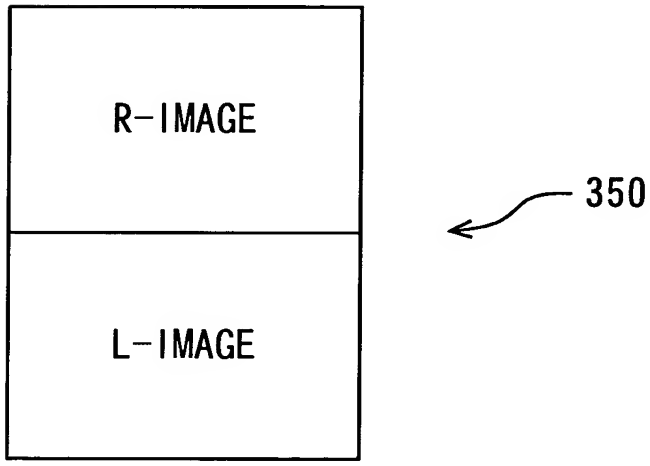

FIG. 12

ELEMENT NAME	NUMBER OF BYTES	RECORDING SIDE		REPRODUCTION SIDE	
		INDISPENSABLE /OPTIONAL	REMARKS	INDISPENSABLE /OPTIONAL	REMARKS
3D PICTURE MANAGEMENT TAG	4	◎		◎	
3D PICTURE MANAGEMENT SIZE	4	◎		◎	
3D PICTURE MANAGEMENT VERSION	4	◎		◎	
PICTURE STRUCTURE (DATA CONFIGURATION TYPE)	1	◎		◎	
PICTURE SPECIFIC DATA (DATA PECULIAR TO PARALLACTIC IMAGE)	VARIABLE LENGTH	◎		◎	

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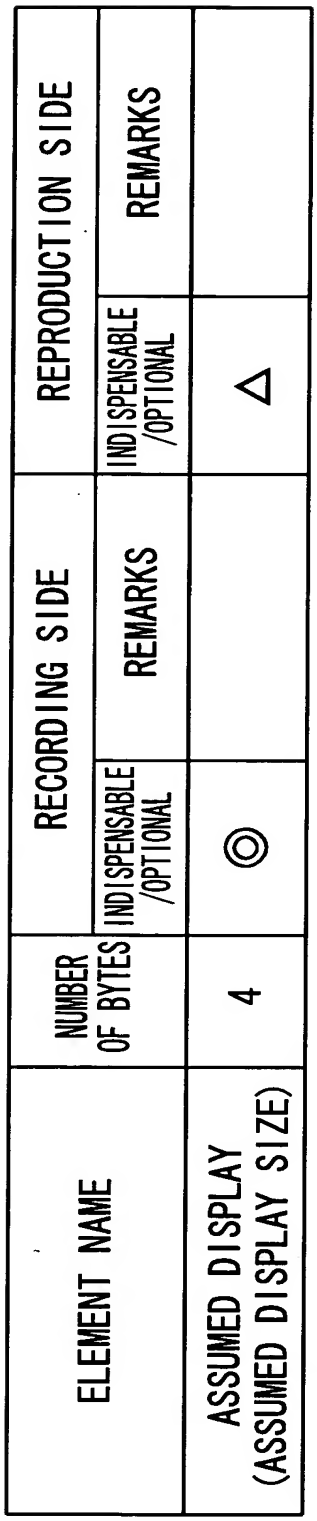
FIG. 13



ELEMENT NAME	NUMBER OF BYTES	RECORDING SIDE		REPRODUCTION SIDE	
		INDISPENSABLE /OPTIONAL	REMARKS	INDISPENSABLE /OPTIONAL	REMARKS
ASSUMED DISPLAY (ASSUMED DISPLAY SIZE)	4	◎		△	

FIG. 14

ASSUMED DISPLAY		
VALID VALUE	0 : PORTABLE TERMINAL	1—4 INCHES
	1 : PDA	2—7 INCHES
	2 : PC	7—20 INCHES
	3 : TV	20—50 INCHES
	4 : PROJECTOR	50—100 INCHES
	5 : HMD	

FIG. 17

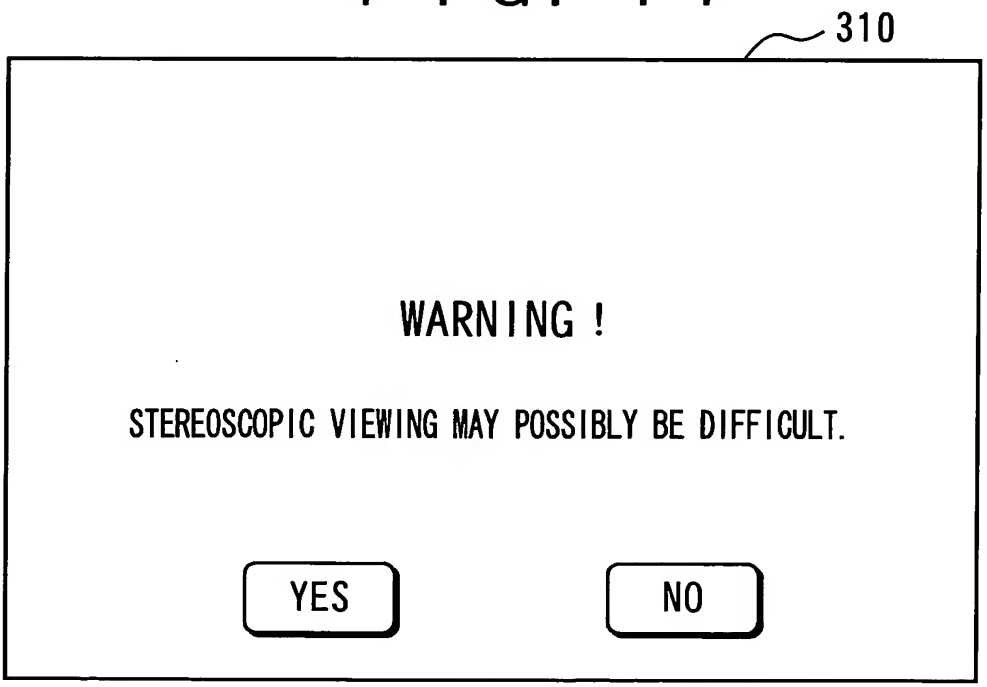
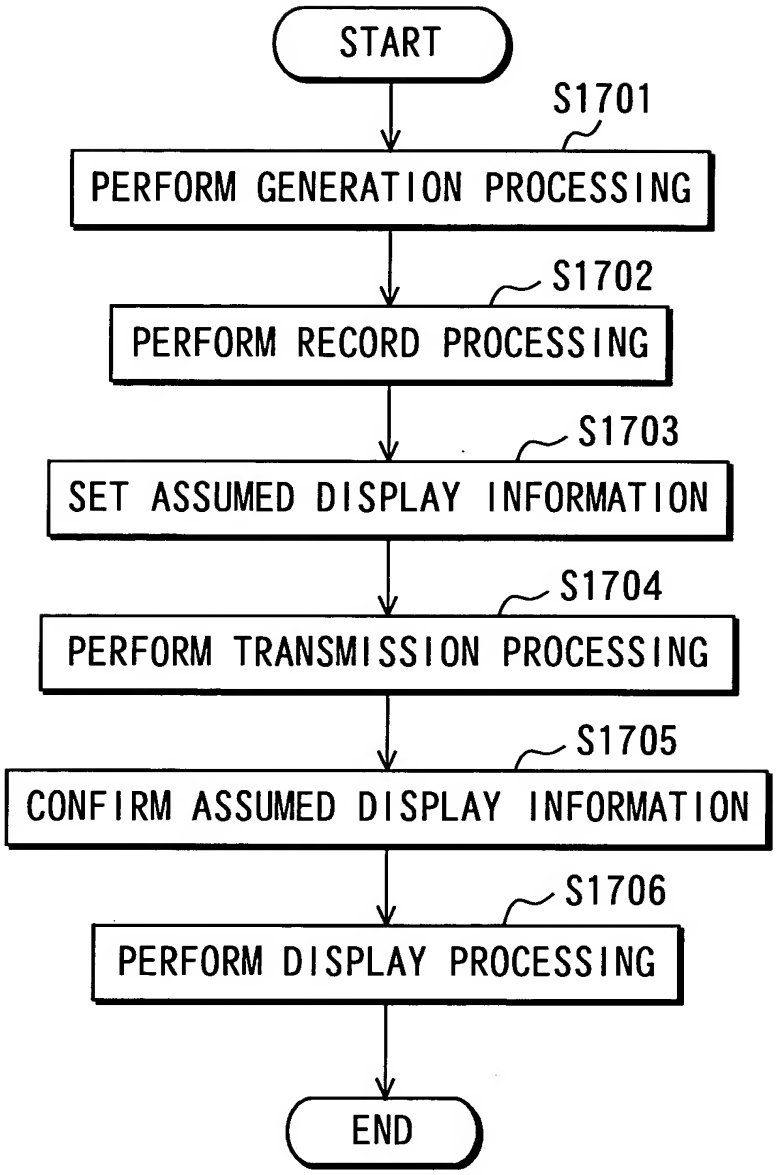


FIG. 15


START
S1701
PERFORM GENERATION PROCESSING
S1702
PERFORM RECORD PROCESSING
S1703
SET ASSUMED DISPLAY INFORMATION
S1704
PERFORM TRANSMISSION PROCESSING
S1705
CONFIRM ASSUMED DISPLAY INFORMATION
S1706
PERFORM DISPLAY PROCESSING
END

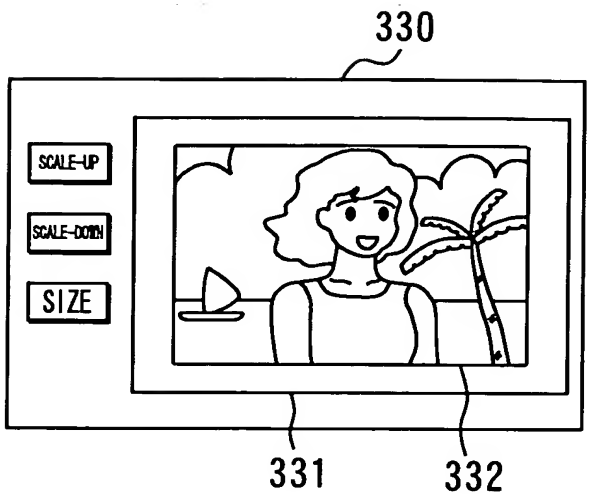


FIG. 16A

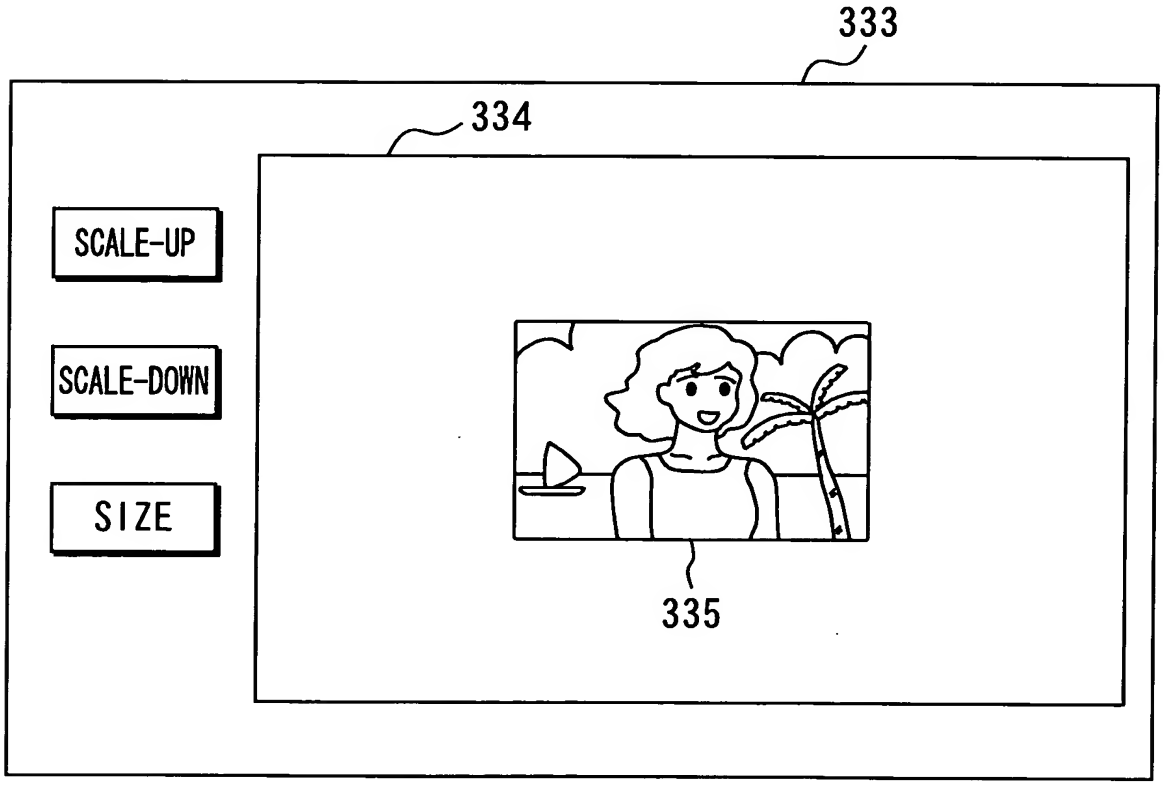


FIG. 16B

FIG. 18

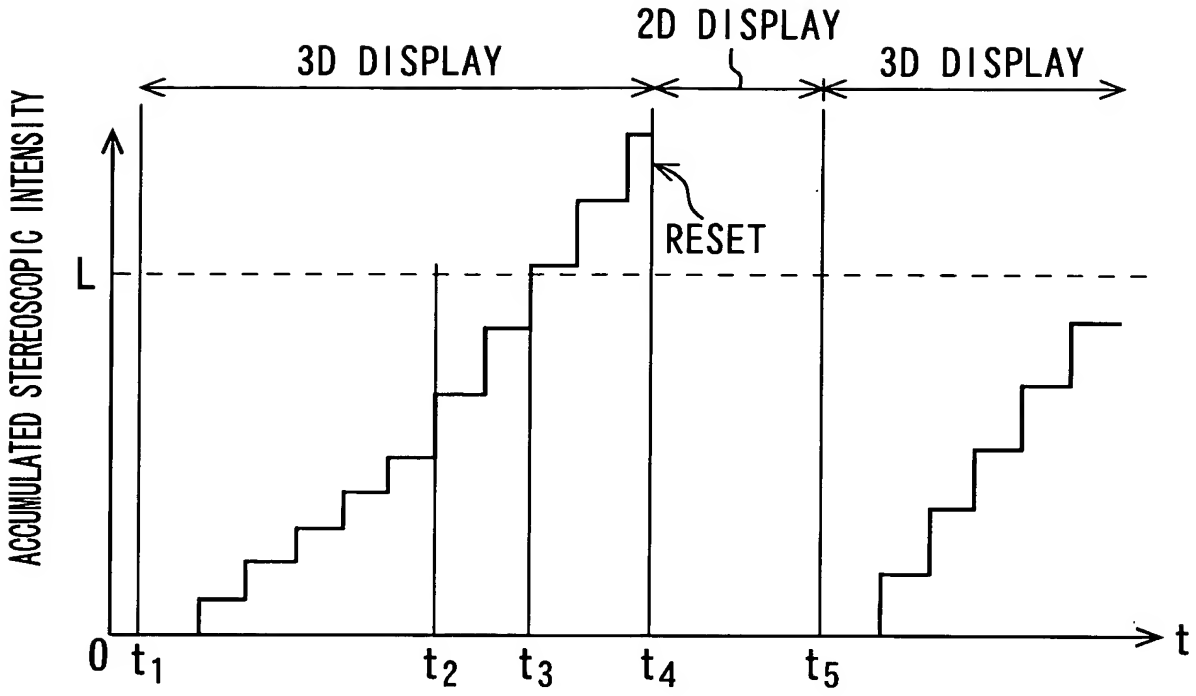

3D DISPLAY
2D DISPLAY
3D DISPLAY
ACCUMULATED STEREOSCOPIC INTENSITY
RESET
L
0
t1
t2
t3
t4
t5
t

FIG. 19

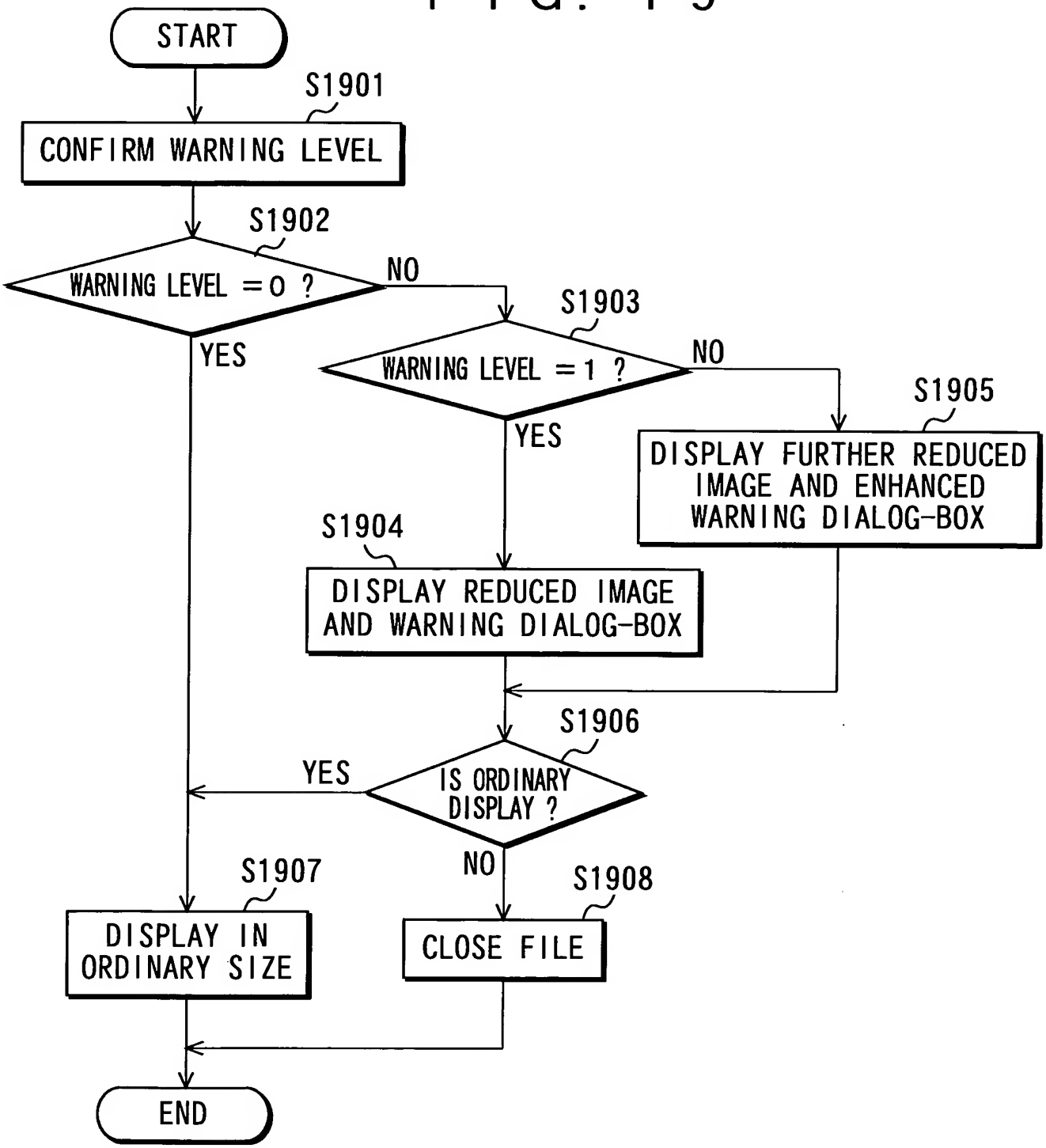

START
S1901
CONFIRM WARNING LEVEL
S1902
WARNING LEVEL = 0 ?
NO
YES
S1903
WARNING LEVEL = 1 ?
NO
YES
S1905
DISPLAY FURTHER REDUCED IMAGE AND ENHANCED WARNING DIALOG-BOX
S1904
DISPLAY REDUCED IMAGE AND WARNING DIALOG-BOX
S1906
IS ORDINARY DISPLAY ?
YES
NO
S1907
DISPLAY IN ORDINARY SIZE
S1908
CLOSE FILE
END

FIG. 20

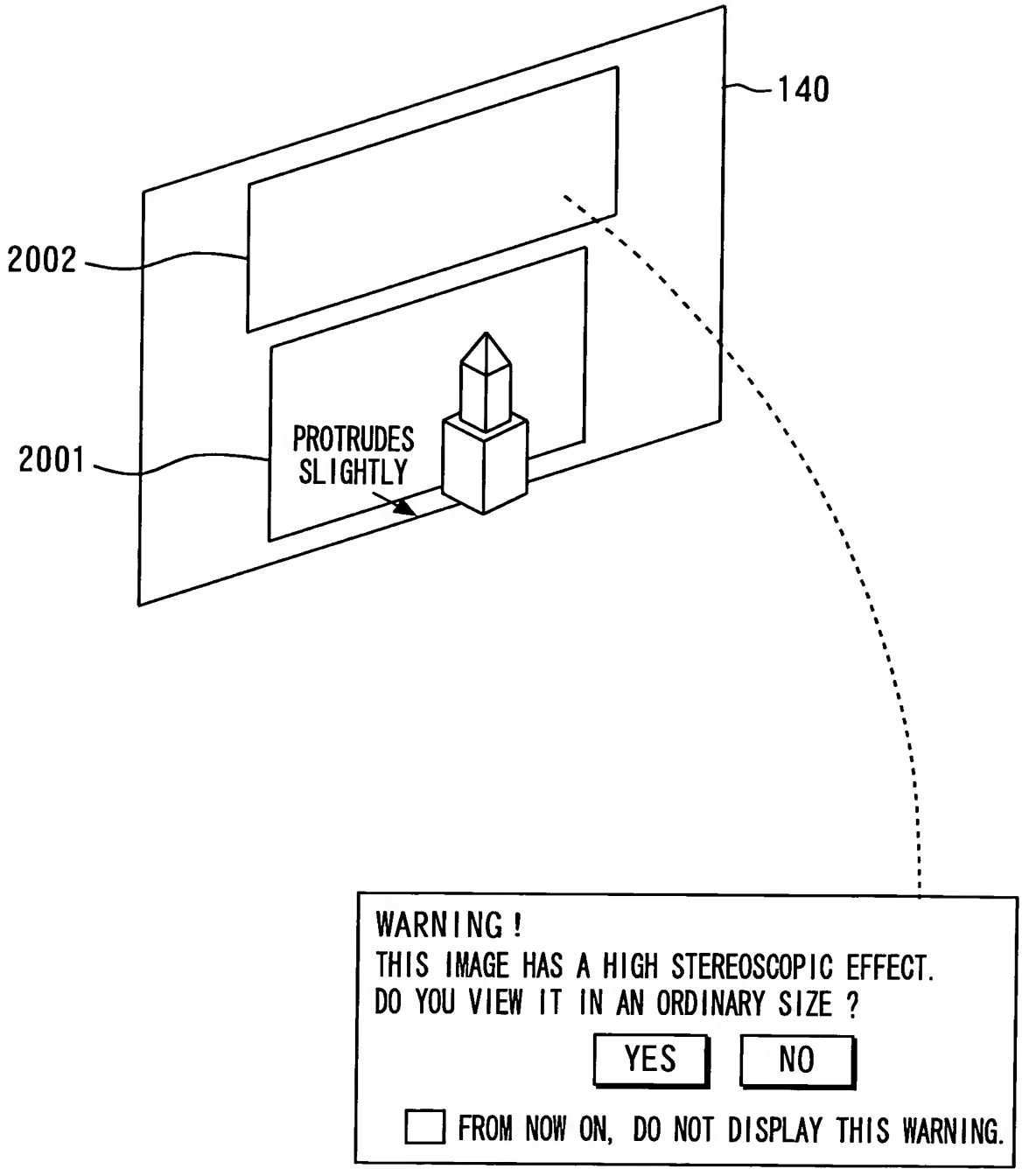

140
2002
2001
PROTRUDES SLIGHTLY
WARNING!
THIS IMAGE HAS A HIGH STEREOSCOPIC EFFECT.
DO YOU VIEW IT IN AN ORDINARY SIZE ?
YES
NO
FROM NOW ON, DO NOT DISPLAY THIS WARNING.

FIG. 21

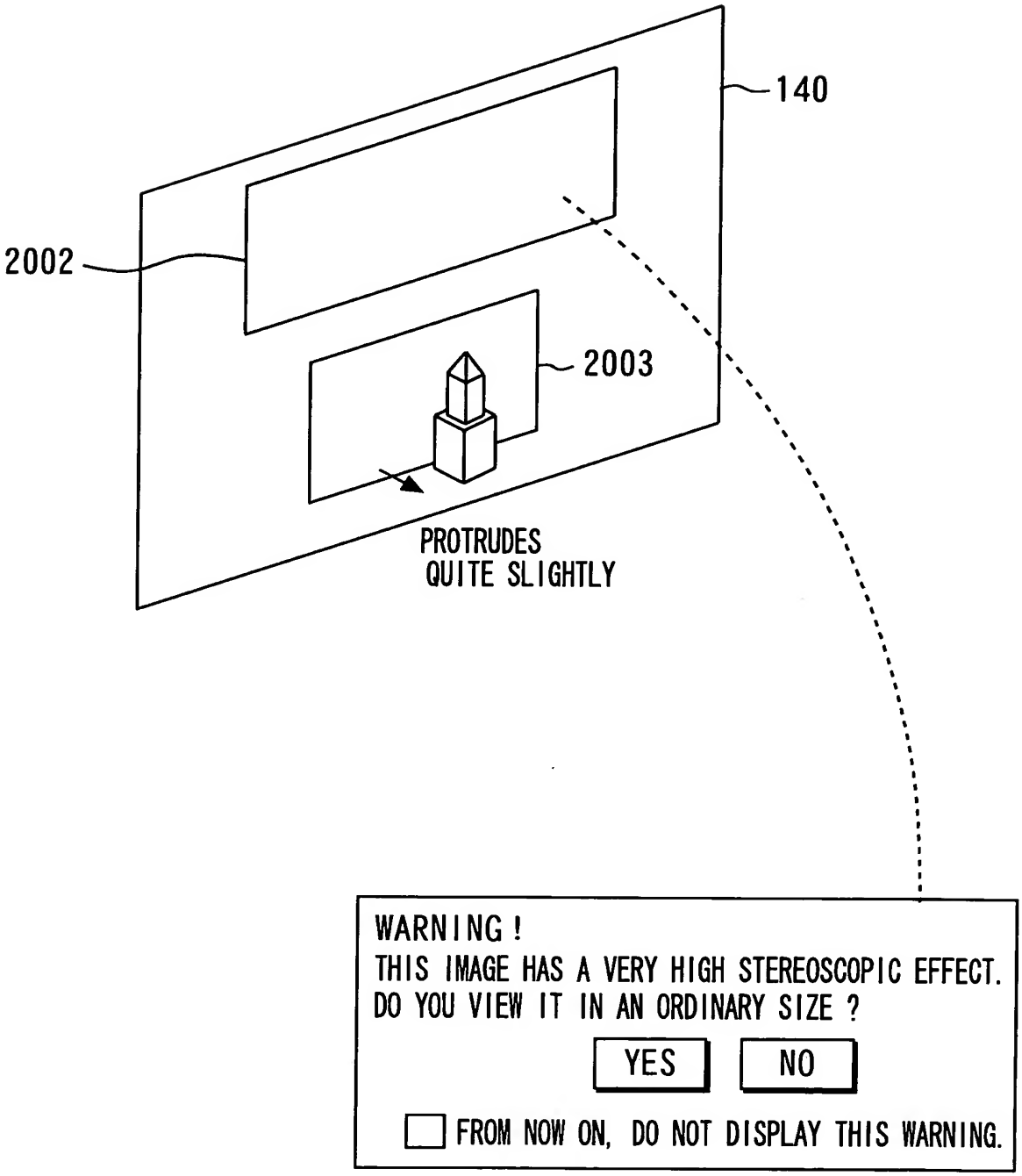

140
2002
2003
PROTRUDES
QUITE SLIGHTLY
WARNING!
THIS IMAGE HAS A VERY HIGH STEREOSCOPIC EFFECT.
DO YOU VIEW IT IN AN ORDINARY SIZE ?
YES
NO
FROM NOW ON, DO NOT DISPLAY THIS WARNING.

FIG. 22A

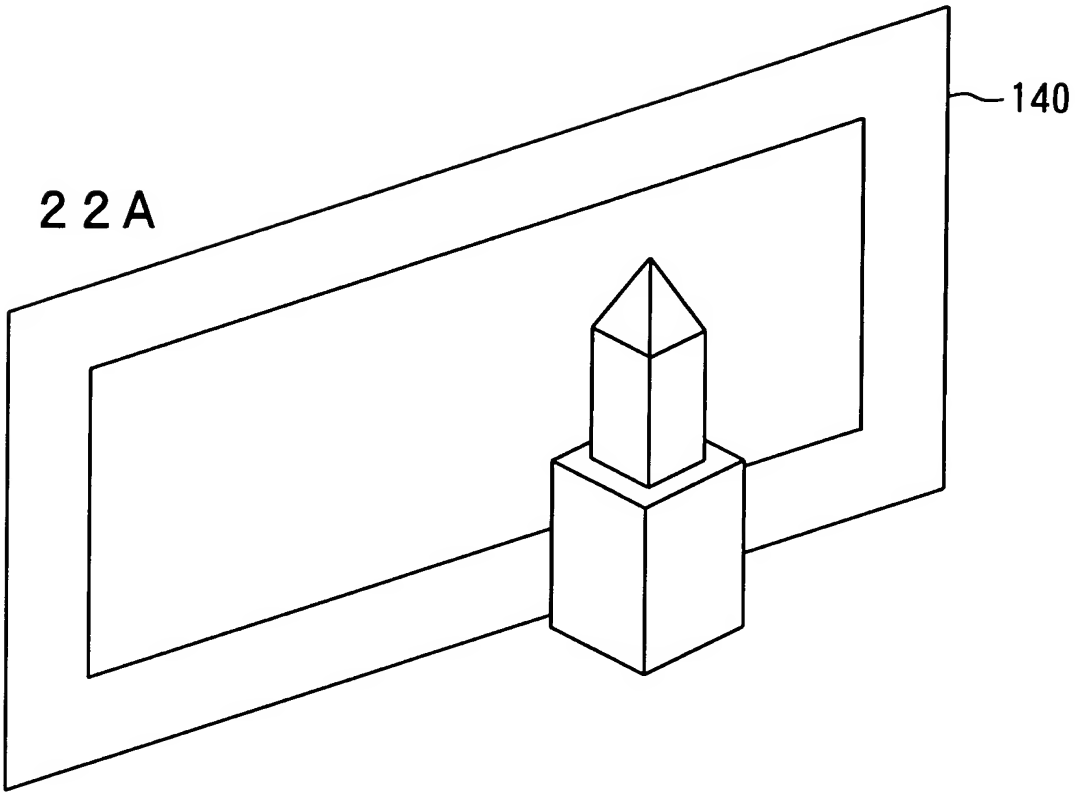
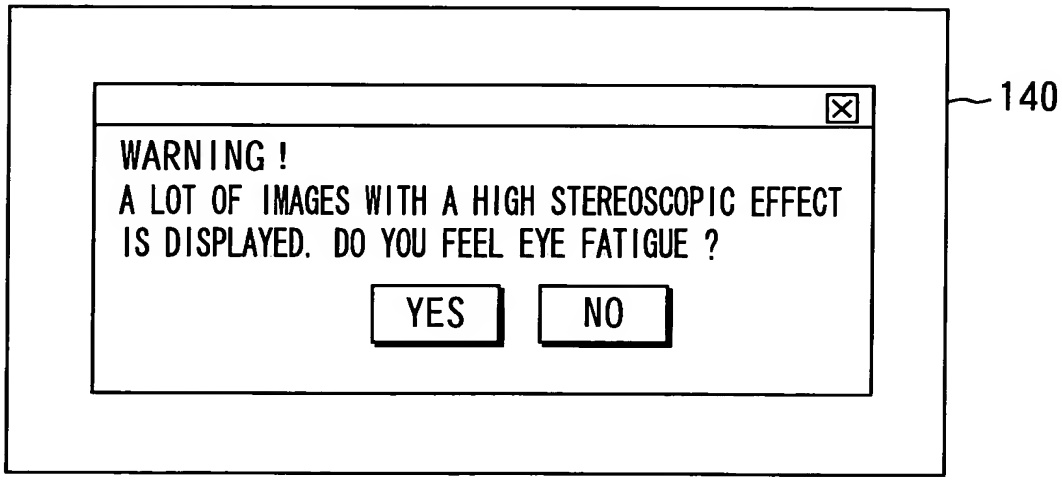



FIG. 22B